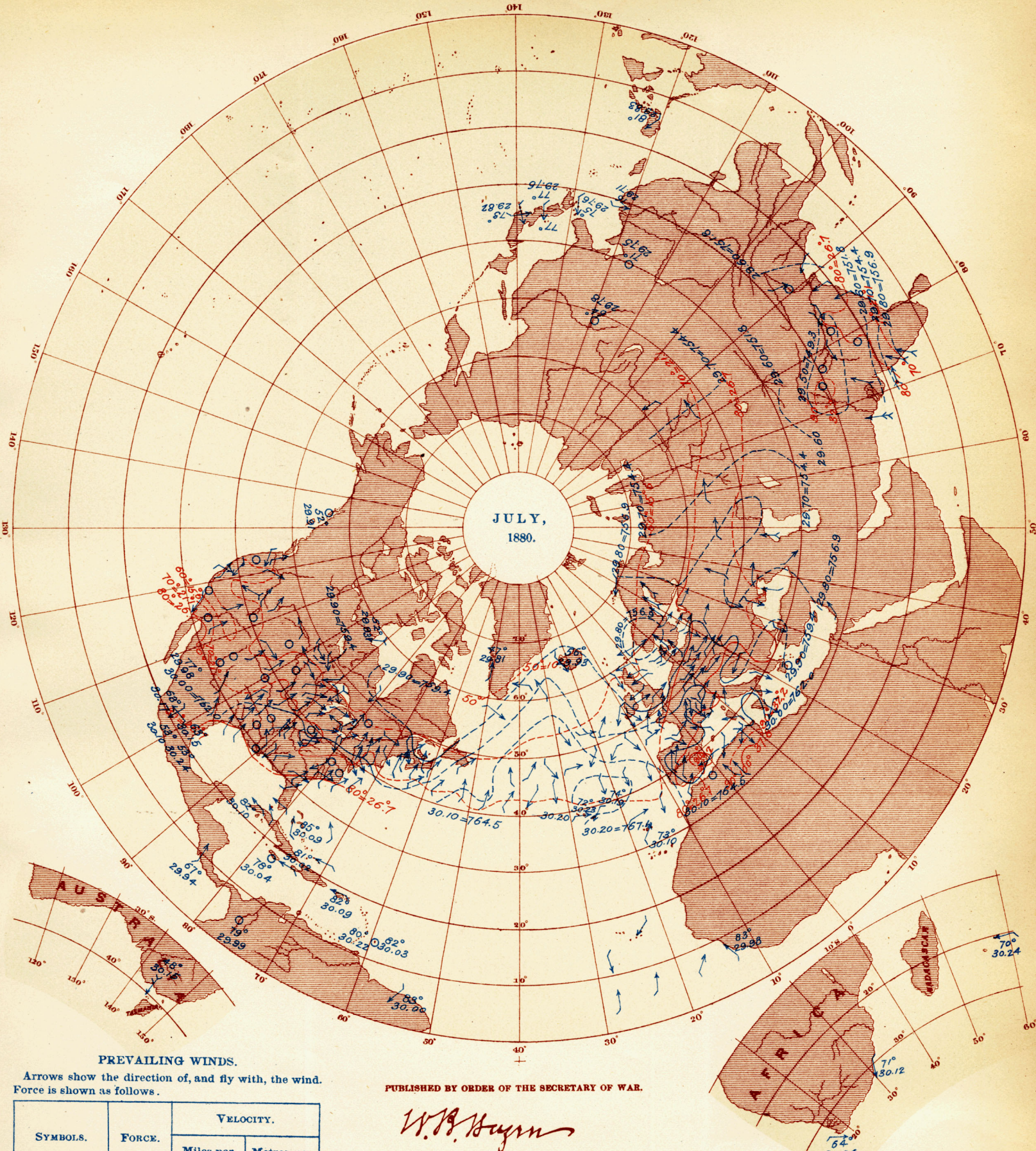


Office of the Chief Signal Officer, UNITED STATES ARMY.

Charted from Actual Observations taken Simultaneously, Series commencing January, 1877.

No. V.



PREVAILING WINDS.

Arrows show the direction of, and fly with, the wind.
Force is shown as follows.

| SYMBOLS. | FORCE. | VELOCITY. | |
|----------|--------|-----------------|--------------------|
| | | Miles per hour. | Metres per second. |
| | 0 | 0 | 0 |
| | 1, 2 | 0 to 9 | 0 to 4.0 |
| | 3, 4 | 9.1 to 22.5 | 4.1 to 10.1 |
| | 5, 6 | 22.6 to 40.5 | 10.1 to 18.1 |
| | 7, 8 | 40.6 to 67.5 | 18.1 to 30.2 |
| | 9, 10 | 67.6 up. | 30.2 & over. |

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W. H. Bryan

Brig. & Bvt. Maj. Gen'l,
Chief Signal Officer, U. S. A.

INTERNATIONAL MONTHLY CHART.

Showing mean pressure, mean temperature, mean force and prevailing direction of winds at
7:35 A. M., Washington mean time, for the month of July, 1880, based
on the daily charts of the International Bulletin.

ISOBARS AND ISOTHERMS.

Isobars in blue; detached barometer means
in English inches.
Isotherms in red; detached temperature
means in degrees Fahrenheit.
Broken lines, are doubtful.